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## Another fungicide approved for soybean rust in Iowa

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## Another fungicide approved for soybean rust in Iowa

*by Daren Mueller, Department of Plant Pathology, and Chuck Eckermann, Iowa Department of Agriculture and Land Stewardship*

There has been some activity by the EPA concerning fungicides for soybean rust. The fungicide Caramba™ (metconazole), manufactured by BASF Corp., has been approved as a Section 18 fungicide in Iowa, effective on June 15, 2007. The exemption will expire on April 19, 2009. Caramba is a systemic, triazole fungicide with early infection and protectant activity. A second fungicide, Headline-Caramba™ copack, has been withdrawn by BASF and will not be available.

- All applicable directions, restrictions, and precautions must be followed. Listed are some restrictions for Caramba.
- Apply 8.2 to 9.6 fluid ounces metconazole active ingredient (a.i.) of Caramba fungicide per acre.
- A maximum of two aerial or ground applications of Caramba fungicide may be made at a 10- to 21-day retreatment interval.
- Caramba should not be applied within 30 days before harvest (PHI).
- A restricted entry interval (REI) of 12 hours must be observed.
- The supplemental label should be read for other restrictions and precautions.

### Label status of fungicides for soybean rust in Iowa (updated June 22, 2007).

Active Ingredient	Trade Name	Section 18	Section 3
azoxystrobin	Quadris		Yes
azoxystrobin + cyproconazole	Quadris Xtra	Yes	
azoxystrobin + propiconazole	Quilt	Yes	Registered but awaiting final label
chlorothalonil	Bravo, Echo, Equus		Yes
cyproconazole	Alto	Yes	
famoxadone + flusilazole	Charisma	Pending	
flusilazole	Punch	Yes	
flutriafol	Topguard	Yes	
metconazole	Caramba	Yes	
myclobutanil	Laredo EC, Laredo EW	Yes	Registered but awaiting final label
propiconazole	Tilt, PropiMax, Bumper	Yes	Registered but awaiting final label
propiconazole +	Stratego		Yes

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trifloxystrobin

prothioconazole

ProLine

Pending

pyraclostrobin

Headline

Yes

tebuconazole

Folicur, Orius, Uppercut

Yes

Decision expected in mid-2007

tebuconazole + pyraclostrobin

Headline SBR

Yes

tetraconazole

Domark

Yes

Yes

tebuconazole + trifloxystrobin

Absolute

Decision expected in late 2007

*Daren Mueller is an extension plant pathologist with the Iowa State University Corn and Soybean Initiative. Chuck Eckermann is chief of the pesticide bureau of the Iowa Department of Agriculture and Land Stewardship.*

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